

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Alexander Kurganov  
Title: Personal Voice-Based Information Retrieval System *Filed Via EFS-Web  
December 19, 2007*  
Appl. No.: 09/777,406  
Filing Date: 2/6/2001  
Examiner: Kristie D. Shingles  
Art Unit: 2141  
Confirmation Number: 4531

**TRANSMITTAL OF CORRECTED SUMMARY OF THE CLAIMED SUBJECT  
MATTER FOR BRIEF ON APPEAL**

FOR BRIEF ON APPEAL  
Mail Stop Appeal Brief – Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is a Brief on Appeal in the above-identified application.

- [ **X** ] Small Entity status under 37 C.F.R. § 1.9 and § 1.27 has been established by a previous assertion of Small Entity status.
- [ ] Assertion of Small Entity status is enclosed.

[ ] The fee required for additional claims is calculated below:

	Claims As Amended		Previously Paid For		Extra Claims Present		Rate		Additional Claims Fee
Total Claims:	21	-	47	=	0	x	\$50.00	=	\$0.00
Independent Claims:	3	-	3	=	0	x	\$200.00	=	\$0.00
First presentation of any Multiple Dependent Claims:						+	\$360.00	=	\$0.00
CLAIMS FEE TOTAL									\$0.00

[ ] Applicant hereby petitions for an extension of time under 37 C.F.R. §1.136(a) for the total number of months checked below:

[ ] Extension for response filed within the first month:	\$120.00	\$0.00
[ ] Extension for response filed within the second month:	\$450.00	\$0.00
[ ] Extension for response filed within the third month:	\$1,020.00	\$0.00
[ ] Extension for response filed within the fourth month:	\$1,590.00	\$0.00
[ ] Extension for response filed within the fifth month:	\$2,160.00	\$0.00
EXTENSION FEE TOTAL:		\$0.00
[ ] Statutory Disclaimer Fee under 37 C.F.R. 1.20(d):	\$130.00	\$0.00
CLAIMS, EXTENSION AND DISCLAIMER FEE TOTAL:		\$0.00
[ ] Small Entity Fees Apply (subtract ½ of above):		\$0.00
Extension Fees Previously Paid:		\$0.00
TOTAL FEE:		\$0.00

If any extensions of time are needed for timely acceptance of papers submitted herewith, applicant hereby petitions for such extension under 37 C.F.R. §1.136 and authorizes payment of any such extensions fees to Deposit Account No. 19-0741.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16, 1.17 and 41.20, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by the credit card payment instructions in EFS-Web being incorrect or absent, resulting in a rejected or incorrect credit card transaction, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Dated: December 19, 2007

By:  \_\_\_\_\_

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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES**

Applicant: Alexander Kurganov  
Title: Personal Voice-Based  
Information Retrieval System  
Appl. No.: 09/777,406  
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**CORRECTED SUMMARY OF THE CLAIMED SUBJECT MATTER  
FOR BRIEF ON APPEAL**

Mail Stop Appeal Brief – Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

To the Board of Patent Appeals and Interferences:

In response to the Notification of Non-Compliant Appeal Brief (37 C.F.R. 41.37) dated December 6, 2007, Applicant submits herewith a corrected Summary of the Claimed Subject Matter which refers to the specification by page and line number and to the drawings by reference number. Applicant submits herewith only a corrected Summary and not a corrected Appeal Brief. *See* MPEP § 1205.03(B) (“[A]n entire new brief need not, and should not, be filed. Rather, a paper providing a summary of the claimed subject matter as required by 37 C.F.R. 41.37(c)(1)(v) will suffice.”). Applicant believes submission of the corrected Summary obviates the Notification of Non-Compliant Appeal Brief, and Applicant respectfully requests that the Appeal process be moved forward.

**SUMMARY OF CLAIMED SUBJECT MATTER**

Following is a summary of the claimed subject matter, as set forth in independent claims 32, 53, and 63, with reference to specific examples disclosed in the specification and shown in the figures.

**I. CLAIM 32**

Claim 32 claims a method for allowing users to use speech commands to obtain information from a pre-defined portion of a pre-selected web site in audio format. (Specification, p. 4, ll. 19-29). Claim 32 calls for providing a computer (Fig. 3, reference numeral 108) which has a speech processor (Fig. 3, reference numeral 304) and which is operatively connected to the internet (Fig. 3, reference numeral 104) and to at least one phone (Fig. 3, reference numeral 306). (Specification, p. 4, ln. 30 – p. 5, ln. 4). Next, a URL (Fig. 2, reference numeral 202), which indicates a pre-selected web site (Fig. 2, reference numeral 200) from which the information is to be retrieved, is provided to the computer (Fig. 3, reference numeral 108). (Specification, p. 5, ll. 11-17). Then, using the computer (Fig. 3, reference numeral 108), a pre-defined portion (Fig. 2, reference numeral 204) of the pre-selected web site (Fig. 2, reference numeral 200) which contains the information to be retrieved is designated. (Specification, p. 5, ll. 13-17). Next, using the computer (Fig. 3, reference numeral 108), a named object associated with the content of the information to be retrieved is identified. (Specification, p. 5, ll. 17-20). Then, the computer (Fig. 3, reference numeral 108) creates a descriptor (Fig. 4, reference numeral 400) containing instructions which identify the web site URL (Fig. 2, reference numeral 202; Fig. 4, reference numeral 404), the location of the pre-defined portion (Fig. 2, reference numeral 204) of said pre-selected web site (Fig. 2, reference numeral 200) which contains the information to be retrieved, and the named object. (Specification, p. 5, ll. 21-30). A user (Fig. 1, reference numeral 100) provides a speech

command corresponding to the descriptor (Fig. 4, reference numeral 400) to the speech processor (Fig. 3, reference numeral 304). (Specification, p. 7, ll. 26-31). Then, the speech processor (Fig. 3, reference numeral 304) converts the speech command to a digital-form command (Fig. 4, reference numeral 406). (Specification, p. 8, ll. 25-28). The computer (Fig. 3, reference numeral 108) receives the digital-form command (Fig. 4, reference numeral 406) from the speech processor (Fig. 3, reference numeral 304), and the computer (Fig. 3, reference numeral 108) assigns the descriptor (Fig. 4, reference numeral 400) to the digital-form command (Fig. 4, reference numeral 406). (Specification, p. 8, ln. 28 – p. 9, ln. 4).

Once the system has been set up, as described above, the user (Fig. 1, reference numeral 100) transmits an audio speech command corresponding to the descriptor (Fig. 4, reference numeral 400) to the speech processor (Fig. 3, reference numeral 304). (Specification, p. 20, ll. 7-12). The speech processor (Fig. 3, reference numeral 304) converts the audio speech command into the digital-form command (Fig. 4, reference numeral 406). (Specification, p. 20, ll. 7-9). The computer (Fig. 3, reference numeral 108) then receives the digital-form command (Fig. 4, reference numeral 406) from the speech processor (Fig. 3, reference numeral 304). (Specification, p. 20, ll. 17-19). Next, the computer (Fig. 3, reference numeral 108) retrieves the descriptor (Fig. 4, reference numeral 400) corresponding to the digital-form command (Fig. 4, reference numeral 406). (Specification, p. 20, ll. 19-21). Then, the computer (Fig. 3, reference numeral 108) retrieves the information from the pre-defined portion (Fig. 2, reference numeral 204) of the pre-selected web site (Fig. 2, reference numeral 200) corresponding to the descriptor (Fig. 4, reference numeral 400) when the requested information is found in the pre-defined portion (Fig. 2, reference numeral 204) of the pre-selected web site (Fig. 2, reference numeral 200). (Specification, p. 21, ll. 1-4). When the requested information is not found in the pre-

defined portion (Fig. 2, reference numeral 204) of the pre-selected web site (Fig. 2, reference numeral 200), the computer (Fig. 3, reference numeral 108) searches the pre-selected web site (Fig. 2, reference numeral 200) for the named object. (Specification, p. 10, ll. 1-8; p. 21, ll. 4-6). Then, the computer (Fig. 3, reference numeral 108) provides the retrieved information to the speech processor (Fig. 3, reference numeral 304). (Specification, p. 21, ll. 7-9). The speech processor (Fig. 3, reference numeral 304) then converts the retrieved information into an audio message. (Specification, p. 21, ll. 9-11). Finally, the speech processor (Fig. 3, reference numeral 304) forwards the audio message to the user (Fig. 1, reference numeral 100). (Specification, p. 19, ll. 45-48; p. 21, ll. 9-11).

## **II. CLAIM 53**

Claim 53 claims a system for retrieving information from a pre-defined portion (Fig. 2, reference numeral 204) of a pre-selected web site (Fig. 2, reference numeral 200) by uttering speech commands into a phone (Fig. 3, reference numeral 306) and for providing to a user (Fig. 1, reference numeral 100) retrieved information in an audio form. (Specification, p. 4, ll. 19-29; p. 7, ln. 35 – p. 8, ln. 11). Claim 53 calls for a server (Fig. 3, reference numeral 304) being operatively connected to the internet (Fig. 3, reference numeral 104) and to at least one phone (Fig. 3, reference numeral 306). (Specification, p. 4, ln. 30 – p. 5, ln. 4; p. 8, ll. 16-24). The server (Fig. 3, reference numeral 304; Fig. 5, reference numeral 304) includes telephony hardware (Fig. 5, reference numeral 508) being operatively connected to the phone (Fig. 3, reference numeral 306) and to the server (Fig. 3, reference numeral 304; Fig. 5, reference numeral 304). (Specification, p. 8, ll. 16-24). The server (Fig. 3, reference numeral 304; Fig. 5, reference numeral 304) also includes at least one speech recognition engine (Fig. 5, reference numeral 500) being operatively connected to the server (Fig. 3, reference numeral 304; Fig. 5,

reference numeral 304) and to the telephony hardware (Fig. 5, reference numeral 508). (Specification, p. 8, ln. 25 – p. 9, ln. 4). The server (Fig. 3, reference numeral 304; Fig. 5, reference numeral 304) further includes a speech synthesis engine (Fig. 5, reference numeral 502) being operatively connected to the server (Fig. 3, reference numeral 304; Fig. 5, reference numeral 304) and to the telephony hardware (Fig. 5, reference numeral 508). (Specification, p. 9, ll. 10-14). The server (Fig. 3, reference numeral 304; Fig. 5, reference numeral 304) still further includes a call processing system (Fig. 5, reference numeral 506), which is configured to receive speech commands through the telephony hardware (Fig. 5, reference numeral 508) and to forward the speech commands to the speech recognition engine (Fig. 5, reference numeral 500) and is further configured to receive an audio message from the speech synthesis engine (Fig. 5, reference numeral 502) and to forward the audio message through the telephony hardware (Fig. 5, reference numeral 508). (Specification, p. 8, ln. 25 – p. 9, ln. 4). The system further includes at least one instruction set stored on the server (Fig. 3, reference numeral 304) for identifying the pre-defined portion (Fig. 2, reference numeral 204) of the pre-selected web site (Fig. 2, reference numeral 200), which contains the information to be retrieved, and for identifying a named object associated with the content of the information to be retrieved. (Specification, p. 5, ll. 5-10). Each instruction set includes a uniform resource locator address (Fig. 2, reference numeral 202; Fig. 4, reference numeral 404) for the web site (Fig. 2, reference numeral 200). (Specification, p. 5, ll. 11-17). Each instruction set also includes a content descriptor (Fig. 4, reference numeral 400) of the web site (Fig. 2, reference numeral 200), which pre-defines the portion (Fig. 2, reference numeral 204) of the web site (Fig. 2, reference numeral 200) from where the information is to be retrieved. (Specification, p. 5, ll. 17-30; p. 9, ll. 22-33; Table 1, p. 6, ln. 4 – p. 7, ln. 24). Each instruction set further includes the named object. (Specification, p. 10, ll. 1-



8). The system further includes a recognition grammar (Fig. 4, reference numeral 406) corresponding to each instruction set and corresponding to a speech command. (Specification, p. 7, ll. 26-34). The speech recognition engine (Fig. 5, reference numeral 500) is configured to receive the speech command, to select the corresponding recognition grammar (Fig. 4, reference numeral 406), and to retrieve each instruction set corresponding to the recognition grammar (Fig. 4, reference numeral 406) upon receiving the speech command. (Specification, p. 7, ll. 29-34). The system further includes a web browser (Fig. 3, reference numeral 302; Fig. 6, reference numeral 302), which includes at least a content extraction agent (Fig. 6, reference numeral 600), a content fetcher (Fig. 6, reference numeral 602), and a content descriptor file (Fig. 6, reference numeral 604), being operatively connected to the server (Fig. 3, reference numeral 304) and being configured to access the pre-defined portion (Fig. 2, reference numeral 204) of the web site (Fig. 2, reference numeral 200) defined by the instruction set and to retrieve the information defined by the instruction set. (Specification, p. 9, ll. 15-21). The system further includes a said speech synthesis engine (Fig. 5, reference numeral 502) which is configured to convert the retrieved information from the pre-defined portion (Fig. 2, reference numeral 204) of the pre-selected web site (Fig. 2, reference numeral 200) into an audio message and to transmit the audio message to the user (Fig. 1, reference numeral 100). (Specification, p. 19, ln. 45 – p. 20, ln. 2).

### III. CLAIM 63

Claim 63 claims a method for allowing a phone user (Fig. 1, reference numeral 100) to set up and subsequently retrieve information in an audio format from a pre-defined portion (Fig. 2, reference numeral 204) of a pre-selected web site (Fig. 2, reference numeral 200). (Specification, p. 4, ll. 19-29). Claim 63 calls for providing a server (Fig. 3, reference numeral 304; Fig. 5, reference numeral 304) being operatively connected to the internet (Fig. 3, reference

numeral 104) and to at least one phone (Fig. 3, reference numeral 306) and being further operatively connected to a speech recognition engine (Fig. 5, reference numeral 500) and to a speech synthesis engine (Fig. 5, reference numeral 502). (Specification, p. 4, ln. 30 – p. 5, ln. 4; p. 8, ln. 16-24). Next, a user (Fig. 1, reference numeral 100) provides at least one instruction set stored on the server (Fig. 3, reference numeral 304) for identifying the pre-defined portion (Fig. 2, reference numeral 204) of a pre-selected web site (Fig. 2, reference numeral 200) containing the information to be retrieved from the web site (Fig. 2, reference numeral 200). (Specification, p. 5, ln. 17-30; p. 9, ln. 22-33; Table 1, p. 6, ln. 4 – p. 7, ln. 24). Each instruction set includes a uniform resource locator address (Fig. 2, reference numeral 202) for the web site (Fig. 2, reference numeral 200). (Specification, p. 5, ln. 11-16). Each instruction set further includes a content descriptor (Fig. 4, reference numeral 400) of the web site (Fig. 2, reference numeral 200), which pre-defines the portion (Fig. 2, reference numeral 204) of the web site (Fig. 2, reference numeral 200) from which the information is to be retrieved (Specification, p. 5, ln. 17-30; p. 9, ln. 22-33; Table 1, p. 6, ln. 4 – p. 7, ln. 24). Each instruction set still further includes the named object. (Specification, p. 10, ln. 1-8). Then, the user (Fig. 1, reference numeral 100) provides a speech command to the speech recognition engine (Fig. 5, reference numeral 500) which corresponds to the instruction set. (Specification, p. 7, ln. 26-31). The speech recognition engine (Fig. 5, reference numeral 500) then assigns the speech command to a recognition grammar (Fig. 4, reference numeral 406), both of which correspond to the instruction set. (Specification, p. 8, ln. 2-11).

Then, the user (Fig. 1, reference numeral 100) transmits the speech command to the speech recognition engine (Fig. 5, reference numeral 500). (Specification, p. 20, ln. 7-12). The speech recognition engine (Fig. 5, reference numeral 500) receives the speech command and

selects the corresponding recognition grammar (Fig. 4, reference numeral 406). (Specification, p. 20, ll. 7-9). Then, the server (Fig. 3, reference numeral 304) retrieves each instruction set corresponding to the recognition grammar (Fig. 4, reference numeral 406). (Specification, p. 20, ll. 19-21). The server (Fig. 3, reference numeral 304) then accesses the pre-defined portion (Fig. 2, reference numeral 204) of the pre-selected web site (Fig. 2, reference numeral 200) defined by the instruction set and retrieves the information defined by the instruction set when the requested information is found in the pre-defined portion (Fig. 2, reference numeral 204) of the pre-selected web site (Fig. 2, reference numeral 200). (Specification, p. 21, ll. 1-4). When the requested information is not found in the pre-defined portion (Fig. 2, reference numeral 204) of the pre-selected web site (Fig. 2, reference numeral 200), the server (Fig. 3, reference numeral 304) searches the pre-selected website (Fig. 2, reference numeral 200). (Specification, p. 10, ll. 1-8; p. 32, ll. 4-6). Then, the speech synthesis engine (Fig. 5, reference numeral 502) converts the retrieved information from the pre-selected web site (Fig. 2, reference numeral 200) into an audio message. (Specification, p. 21, ll. 9-11). Finally, the speech synthesis engine (Fig. 5, reference numeral 502) transmits the audio message to the user (Fig. 1, reference numeral 100). (Specification, p. 19, ll. 45-48; p. 21, ll. 9-11).

Respectfully submitted,



Dated: December 19, 2007

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